查询D1NL20供应商

SHINDENGEN

Super Fast Recovery Rectifiers

Single

D1NL20U

200V 1A

FEATURES

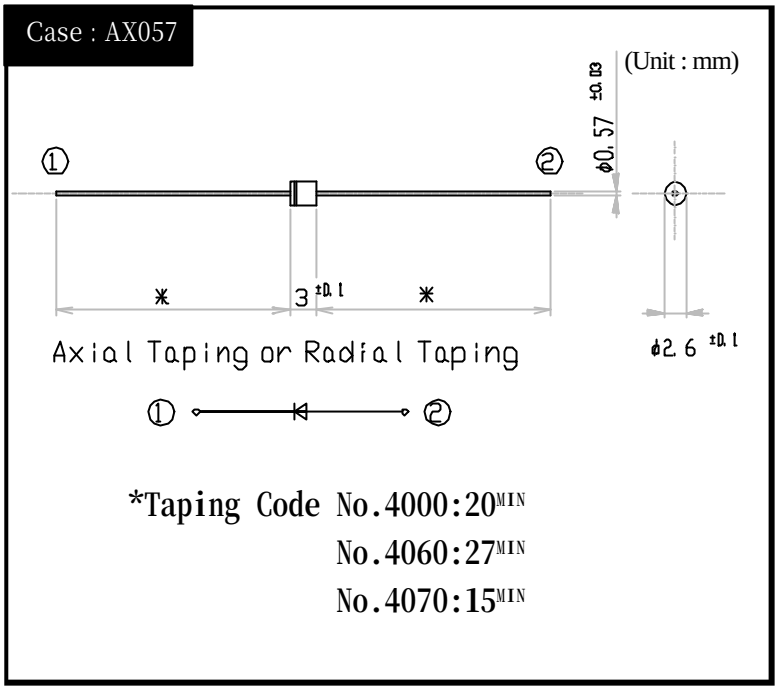
- Low noise
- trr35ns
- 5 mm pitch mounting applicable

APPLICATION

- Switching power supply
- Free Wheel
- Home Appliances, Office Equipment
- Telecommunication, Factory Automation

OUTLINE DIMENSIONS

Case : AX057



*Taping Code No.4000:20MIN
No.4060:27MIN
No.4070:15MIN

RATINGS

●Absolute Maximum Ratings (If not specified Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55～150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	V_{RM}		200	V
Average Rectified Forward Current	Io	50Hz sine wave, R-load, Ta=25°C	1	A
Peak Surge Forward Current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	25	A

●Electrical Characteristics (If not specified Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	I_F=1A, Pulse measurement	Max.0.98	V
Reverse Current	I_R	V_R=V_{RM}, Pulse measurement	Max.10	μA
Reverse Recovery Time	trr	I_F=0.5A, I_R=1A	Max.35	ns
Thermal Resistance	θjl	junction to lead	Max.10	°C/W
	θja	junction to ambient, On P.C.B. Lead length=5mm	Max.113	

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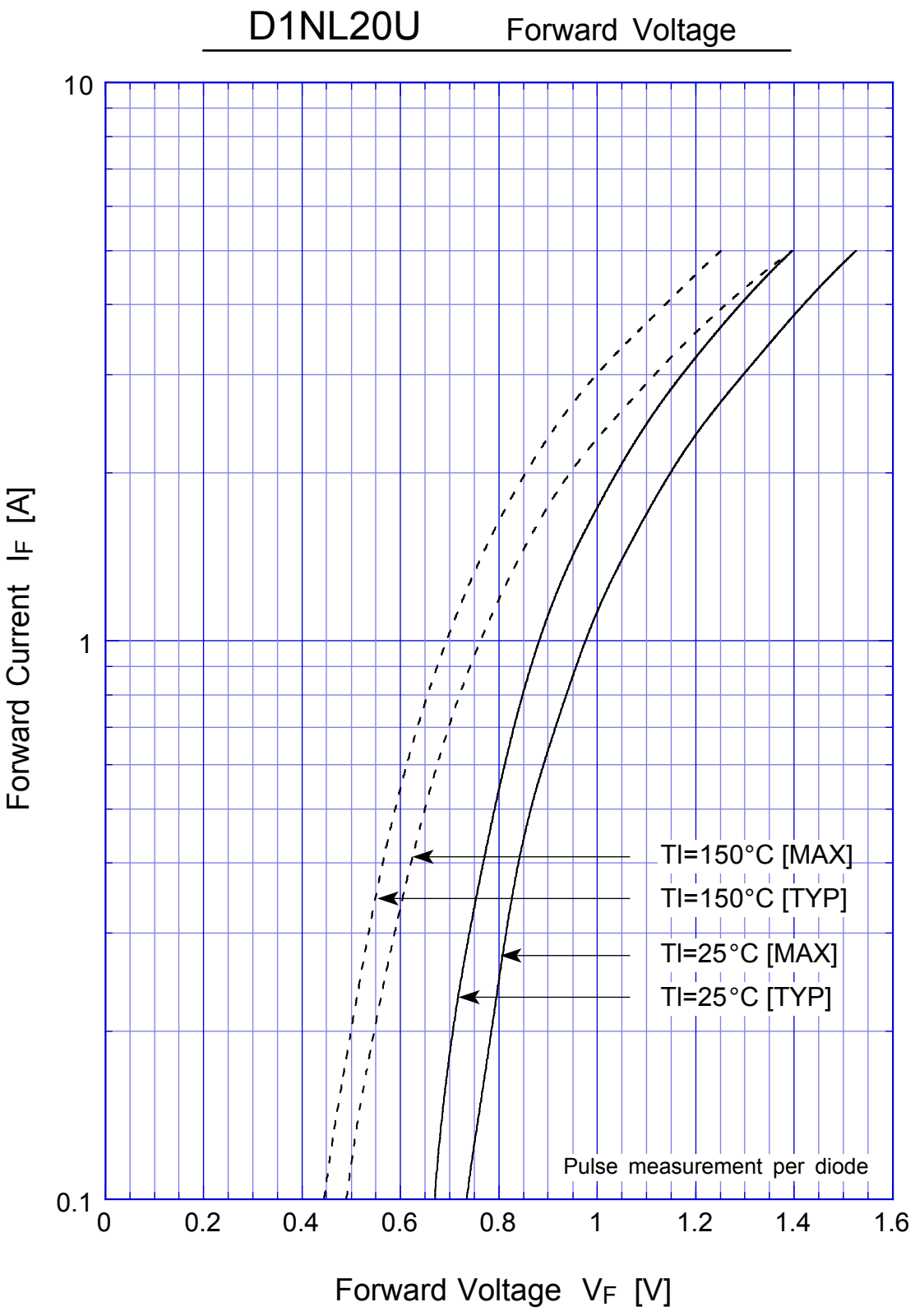
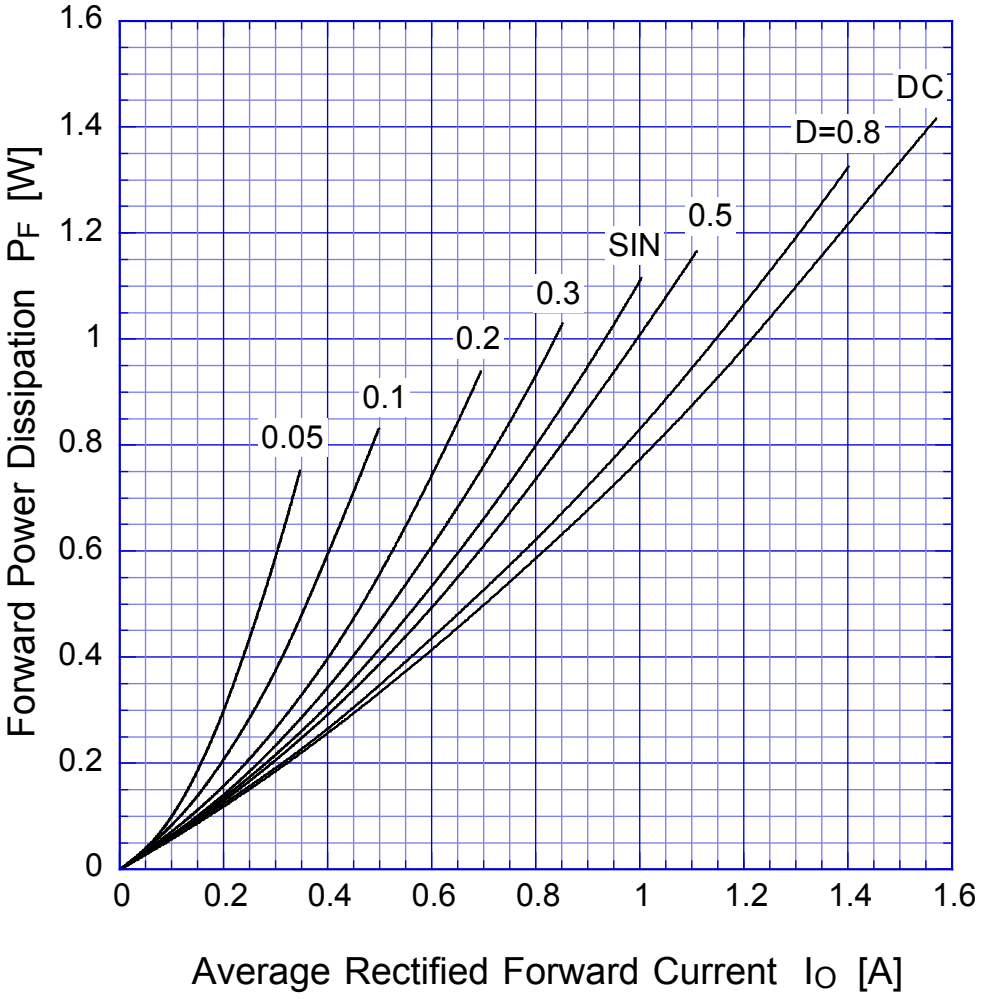
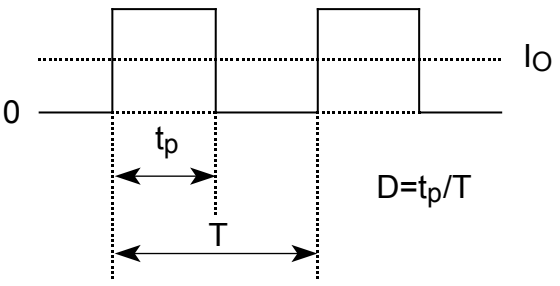

D1NL20U
Forward Voltage
10
1
0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
Forward Current IF [A]
Forward Voltage VF [V]
Tl=150°C [MAX]
Tl=150°C [TYP]
Tl=25°C [MAX]
Tl=25°C [TYP]
Pulse measurement per diode

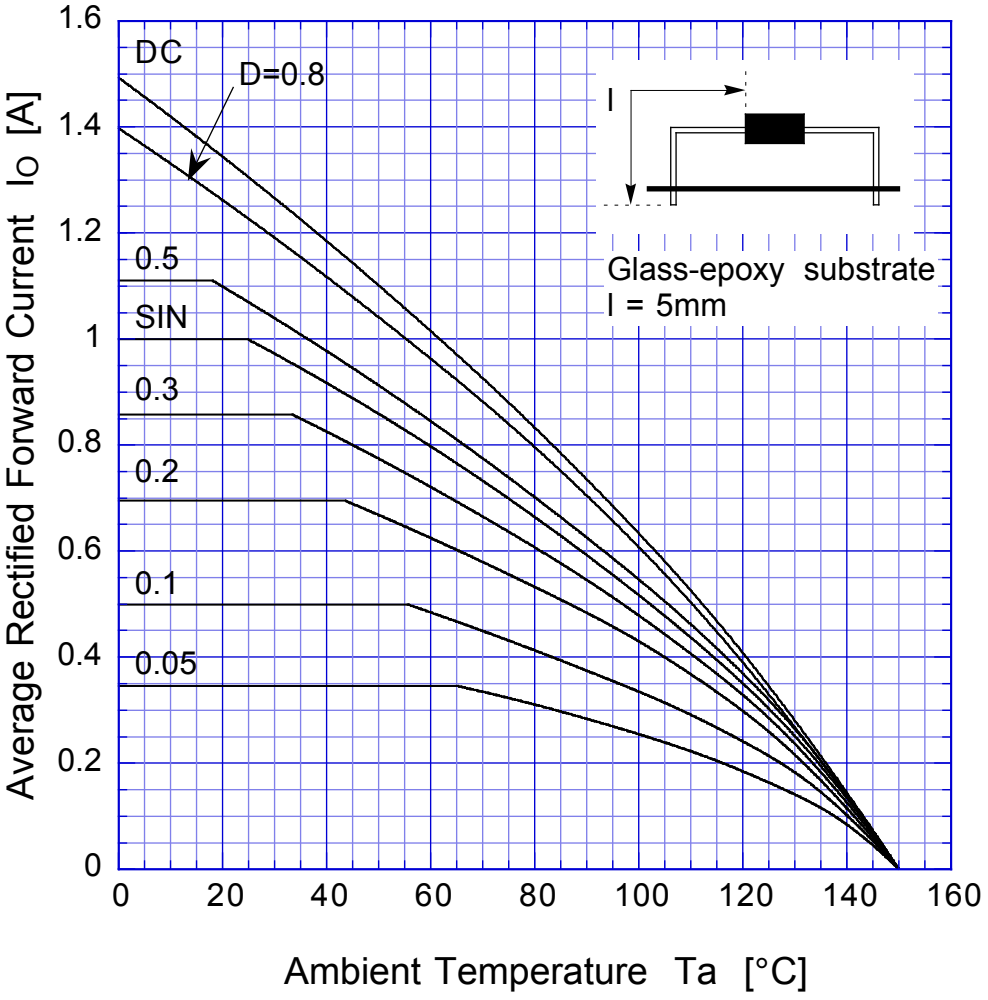
D1NL20U Forward Power Dissipation

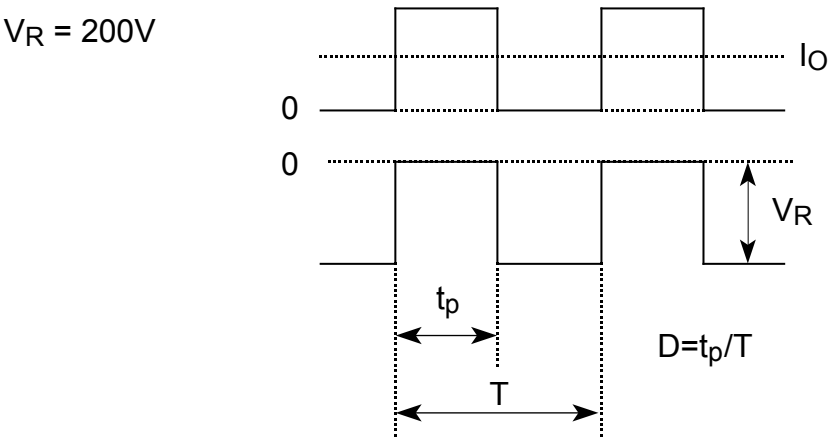


Tj = 150°C

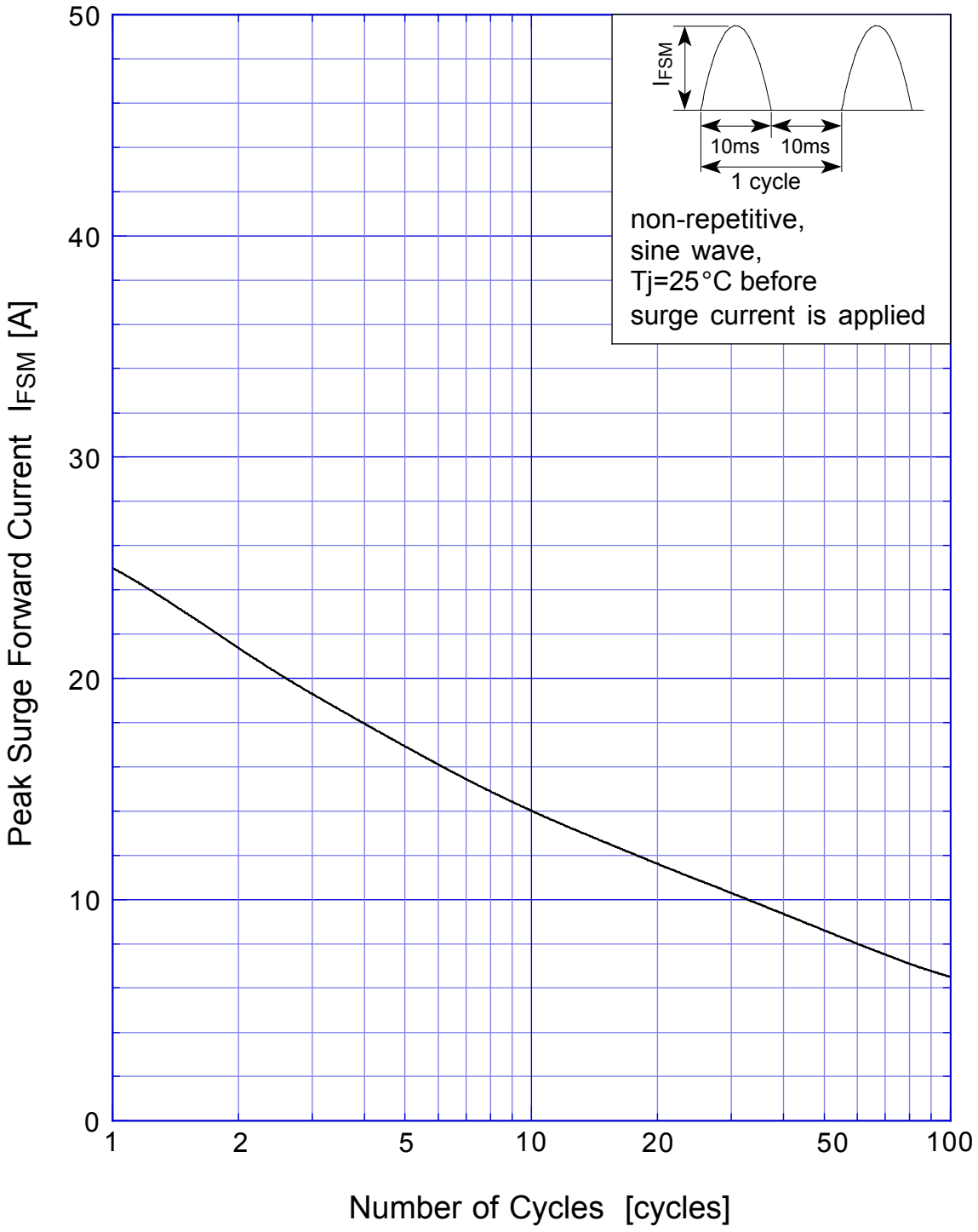


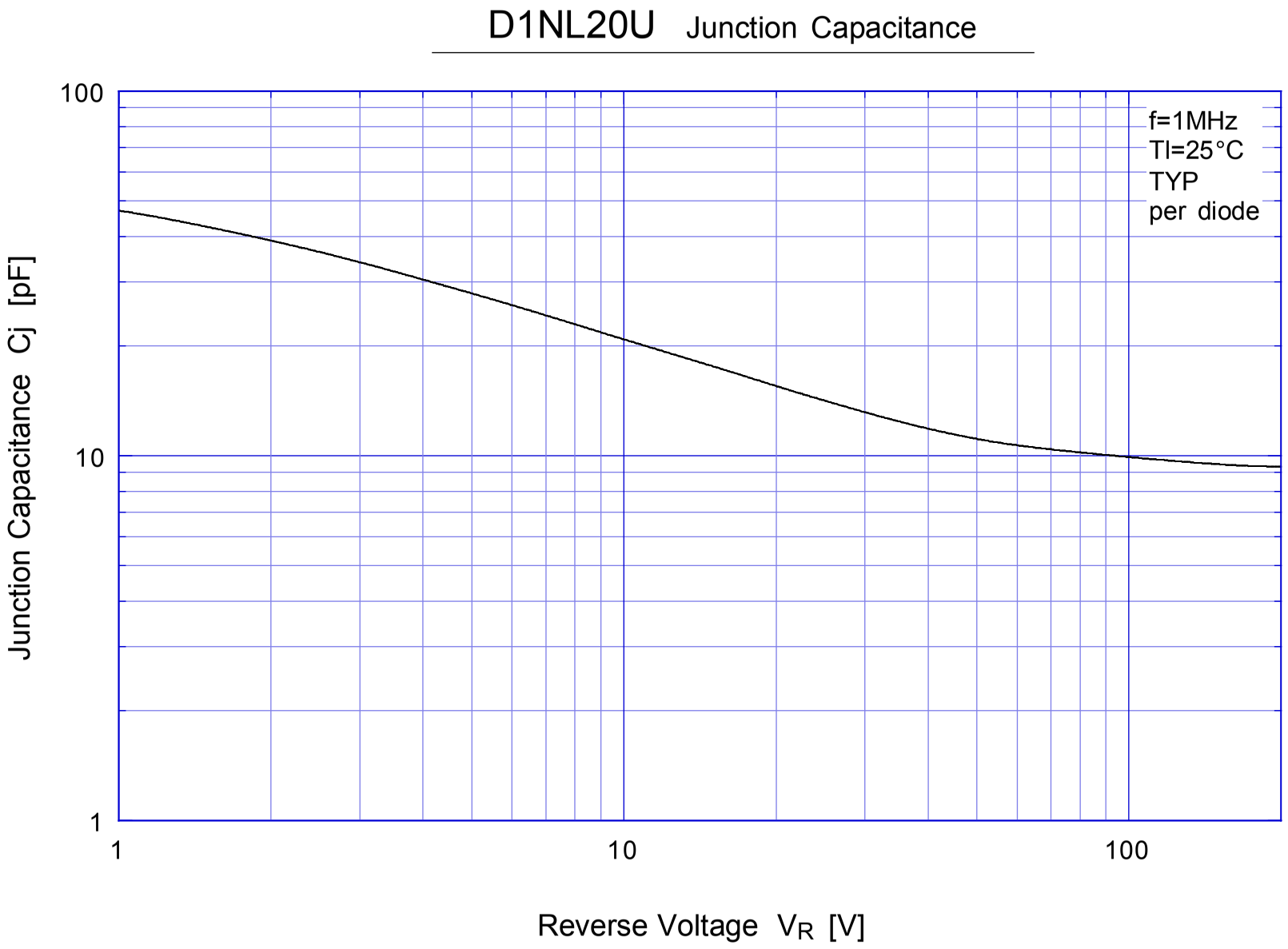
D1NL20U Derating Curve





D1NL20U Peak Surge Forward Capability




D1NL20U Junction Capacitance
100
10
1
1
10
100
Junction Capacitance Cj [pF]
Reverse Voltage VR [V]
f=1MHz
Tl=25°C
TYP
per diode